

LXVIII.—Descriptions of three new Species of Humming-birds.

By JOHN GOULD, F.R.S. &c.

Iolaema Whitelyana. (Whitely's Humming-bird.)

Male. Crown, all the upper surface, and flanks deep grass-green; an obscure glittering mark on the forehead; chin, chest, and centre of the abdomen jet-black, with a broad gorget of beautiful violet on the throat; the bill, which is stout and straight, is black, as are also the legs and toes; the tail and the under tail-coverts steel-black; primaries and secondaries purplish brown, the external edge of the outer primary reddish brown.

Total length $5\frac{1}{4}$ inches; bill $1\frac{1}{8}$, wing 3, tail $2\frac{1}{4}$.

Hab. Cosnipata, province of Cusco, in the Peruvian Andes.

Remark. About the size of *Iolaema Schreibersii* and *I. frontalis*, but distinguished from both those species by its black chest.

I have great pleasure in naming this fine humming-bird after Mr. Henry Whitely, who is at this moment energetically searching for novelties pertaining to this beautiful family of birds in the more remote provinces of Peru. The specimen above described was obtained in August 1871 at Cosnipata, at an elevation of 2300 feet.

Adelomyia chlorospila.

Male. Crown and upper surface bronzy green, the feathers of the crown and upper tail-coverts greener than those of the back; over and behind the eye and curving downwards on the sides of the neck a somewhat conspicuous streak of buffy white; ear-coverts blackish brown; throat, chest, and centre of the abdomen buffy white, the feathers of the throat punctated with glittering green; flanks bronzy buff; under tail-coverts the same, but lighter; tail bronzy brown, all the feathers conspicuously tipped with fawn-colour; bill blackish brown, inclining to yellow beneath; legs and toes brown, the soles of the latter inclining to yellow; wings purplish brown.

Total length $3\frac{1}{2}$ inches; bill $\frac{1}{6}$, wing $2\frac{1}{6}$, tail $1\frac{5}{8}$.

Hab. San Antonio, in the Peruvian Andes.

Remark. The female of this species was, I believe, brought home by M. Warszewicz; but we are indebted to Mr. Henry Whitely for the discovery of the male. Its nearest ally is the *Adelomyia inornata*; but it has a longer bill than that bird, and, moreover, has the throat punctated with green instead of being of a bright blue. Mr. Whitely's specimen was collected at San Antonio in July 1871, at an elevation of 3600 feet.

Adelomyia cervina.

Crown and all the upper surface bronzy green; over and behind the eye and curving down the sides of the neck a conspicuous mark of buffy white; ear-coverts blackish brown; throat, sides of the neck, and centre of the abdomen delicate fawn-colour, with very minute speckles of brown on the former; flanks bronzy russet, with reflections of golden yellow-brown; under tail-coverts hoary buff; wings purplish brown; tail very dark olive, glossed with green; all the feathers tipped with buff, but less so on the two centre ones; bill black on the upper mandible, the lower one lighter and inclined to flesh-colour at the base.

Total length 4 inches; bill $\frac{5}{8}$, wing $2\frac{3}{8}$, tail $1\frac{3}{4}$.

Remark. This new species was discovered near Medellin in Columbia by Mr. Salmon, whose exploration of the country westward of the Magdalena has just commenced.

LXIX.—*On the Nomenclature of the Foraminifera.* By W. K. PARKER, F.R.S., F.Z.S., and Prof. T. RUPERT JONES, F.R.S., F.G.S.

Part XV. *The Species figured by Ehrenberg* (continued).

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APPENDIX II.

To enable the student to utilize the foregoing collocations of the species and notable varieties of Foraminifera figured and described by Dr. Ehrenberg and other rhizopodists, it is necessary to append a classified list of the adopted names, with references to the localities and materials treated of in the 'Mikrogeologie' and the Berlin Academy 'Transactions.'

In the following List, therefore, we have arranged the genera treated of in their order, and have appended to the species numbers corresponding with those divisions of the foregoing memoir which contain references to or descriptions of them. Thus:—I. From Ægina (1), Greece. II. From Zante. III. From Ægina (2). IV. From Oran, Africa. V. From Caltanissetta, Sicily. VI. From Gyzeh and Mokattam, Egypt. VII. From Thebes, Egypt. VIII. From Antilibanon, A. IX. From Antilibanon, B. X. From Haman Fe-raun, Arabia. XI. From Cattolica, Sicily. XII. From Meudon, France. XIII. From Gravesend, England. XIV. From the Island of Møen, Denmark. XV. From the Island